

Altitude CF-2100 Series Fixed Camera

Network Fixed Cameras



1/3 Inch CCD High Resolution H.264 / MPEG4 D1 Day/Night Camera and Wide Dynamic Range Options

The Altitude CF-2100 is part of the Pro-Elite family line of professional IP security cameras. These cameras are high resolution, fixed networked-based cameras which incorporate fully digital CCD imaging systems with automatic Day/Night IR cut filters for infrared sensitivity and will accept any C or CS standard mount lens. All of the CF series can be mounted using conventional box style mounts and housings.

The Altitude CF-2100 cameras are ideal in both indoor and outdoor installations and all types of environments. This camera is the preferred choice for use in Airports, Detentions/Prisons, Municipal applications, Seaports, Tollway/Traffic installations and more.

The camera provides dual video streams in both H.264 and MPEG-4 (ISO) for up to 2x30 Frames Per Second (FPS) on two streams for viewing and recording with 100% image quality. This affords excellent image response and efficient bandwidth utilization.

In addition, DVTEL's Scene Adaptive Algorithms provide the highest image quality at the lowest bandwidth and storage requirements. In most cases, these cameras can maintain high quality real-time 30/25FPS (NTSC/PAL) at D1 resolution starting at less than a megabit per stream.

Bi-directional audio is available for users to remotely listen in to the area surrounding the camera and communicate with visitors or intruders.

IEEE compliant, the entire Altitude Series of network cameras utilize the latest in multicast networking technology which enables a single stream to be transmitted to multiple viewers on the network simultaneously, further reducing bandwidth and providing more flexibility options for installation.

Power over Ethernet supplies power to the camera via the network, eliminating the need for additional cabling and reducing installation costs.

DVTEL offers a full line of IP cameras and encoders to meet your every need. Please see our IP Camera Family and Encoder Guide at www.dvtel.com/products/edge-devices to explore your options.

- **Dual-stream H.264/MPEG-4 Video**
- **Multi-video Resolutions up to D1**
- **Up to 2x30 NTSC (2x25 PAL) FPS**
- **SD Slot Available**
- **Bi-directional Audio**
- **2 Alarm Inputs / 1 Relay Output**
- **Unicast or Multicast**
- **12VDC/24VAC and PoE**
- **Power Options**
- **Web Interface for Viewing, Configuration and Control**

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General Specifications

Camera	Day/Night and Day/Night with WDR
Image Sensor	1/3" Sony ExView (Day/Night Color) CCD Sony SuperHAD II WDR (Day/Night WDR) CCD
Sensor Resolution	NTSC: 768x494, PAL: 752x582
Scanning Mode	Progressive
Sensitivity	Color: 0.2 Lux @ F1.4 / Night Mode: 0.03 Lux @ F1.4
White Balance	Auto (On/Off)
Automatic Gain Control (AGC)	On/Off
Backlight Compensation (BLC)	On/Off
Automatic Electronic Shutter (AES)	NTSC: 1/60 to 1/100,000 PAL: 1/50 to 110,000
Flickerless Mode	On/Off
Iris Control	DC Auto
Day/Night Mode	Auto / On/Off
Mechanical IR Cut Filter	Yes
IR Sensitivity	Yes: 680 to 1100nm
Signal to Noise Ratio (SNR)	≥50dB
Video	
Compression	H.264 (MPEG4-Part 10), MPEG4 (ISO), Dual Stream selectable
Frame Rate	NTSC: 2 x 30 FPS in all Resolutions and Compression Modes PAL: 2 x 25 FPS in all Resolutions and Compression Modes
Resolution Range	Scalable from CIF to D1 NTSC: 352x240 to 720x480, PAL: 352x288 to 720x576
Bandwidth	Configurable between 64 Kbps and 6 Mbps
Audio	
Bi-directional Audio	Line In/Mic In/Line Out, Compression G.711
Audio Connections	Terminal block
Communication	
Network Protocols	Transport: RTP (Unicast/multicast), UDP (Unicast/multicast), TCP Others: DNS, HTTP server, IGMP V1/V2, Telnet client and DHCP client
Ethernet	10/100 Base-T Auto sensing, Half/Full Duplex (RJ45)
Serial Port	
Standards	RS-422/485 2/4 Wires (maximum of 115Kbps)
Connectors	Terminal block
Operating Mode	Transparent serial port supports any asynchronous serial protocol
Management	
Configuration	Remote: Via Web Access, Telnet, or Supported Video Management Software
Firmware Upgrade	Flash memory for upgrade of camera firmware over the network
Regulatory	
USA	FCC part 15 (subpart B, class A) UL C/UL
Europe	CE marked, EN55022-1998 Class A, EN55024, RoHS
Warranty	
	2-year limited warranty, covering parts

Camera Ordering Information

Type	Series	MP Resolution	Intelligence Package	Imager Package	Model
CF	-	2	1	0	N/P
Fixed camera	-	2 = Pro-Elite Series	1	0 = D1	1 = Intelligent Multi-Zone VMD
				0 = Day/Night 1 = WDR	N = NTSC P = PAL

Accessories List - a complete list of accessories can be found in the DVTel price list

CF-L101-75	Lens 7.5-50mm f1.3, AutoD/N, IR Corrected	CF-L100-85	Lens 8.5-40mm f1.2, ManD/N, IR Corrected
CF-L101-28	Lens 2.8-12mm f1.2, AutoD/N, IR Corrected	CF-X100-01	Outdoor Fixed Camera Housing-Heater/Blower
CF-L101-03	Lens 3.0-8.5mm f1.2, AutoD/N, IR Corrected	CF-X100-B1	Outdoor Fixed Housing Bracket
CF-L100-03	Lens 3.0-8.5mm f1.2, ManD/N, IR Corrected	CF-X100-00	Indoor Fixed Mount Bracket



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Other Specifications

Alarm	
Input	Input 2 dry contacts
Output	1 Relay Contact, 60V AC/DC at 1000mA max.
Physical	
Dimensions (L x W x H)	155 x 82 x 52 mm (without lens)
Unit Weight	14 oz. (398g)
Unit Shipping Weight	22 oz. (625g)
Mechanical	
Lens Mount	C or CS Lenses with manual or DC Auto-Iris
Enclosure	Metal case with 1/4-inch UNC-20 screw mount
Electrical	
Input Voltage	12VDC / 24VAC ±10% or 802.3af PoE
Power Consumption	6 Watts
Power Connector	12VDC/24VAC Terminal block
Environment	
Operating Temperature	32°F to 122°F (0°C to 50°C) Outdoor installation requires optional environmental housing
Storage Temperature	32° F to 140° F (0° C to 60° C)
Humidity	90% (non-condensing)